

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Date: September 5, 2003
FRANK TAORMINA ET. AL
Serial No. NOT KNOWN : Group Art Unit: Not Known
Filed: HEREWITH :
For: SATELLITE SYSTEM AND METHOD : Examiner: Not Known
OF DEPLOYING SAME

LETTER REGARDING COPY OF COMBINED DECLARATION FOR PATENT
APPLICATION AND POWER OF ATTORNEY

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The above-identified patent application is a divisional of pending patent application Serial No. 10/230,424 filed on August 28, 2002, which was a continuation of pending application Serial No. 10/008,675, filed on October 23, 2001 which was a continuation of Serial No. 09/783,862, filed February 13, 2001 which was a divisional of Serial No. 09/188,440 filed November 9, 1998 for "Satellite System and Method of Deploying Same", inventors: Frank Taormina, Donald C. D. Chang, Kar W. Yung, David C. Cheng, William W. Mayfield, John Novak III, and Arthur W. Wang.

Pursuant to 37 CFR 1.63(d) enclosed herewith is a copy of the "Combined Declaration For Patent Application and Power of Attorney" from the prior application Serial No. 09/188,440 filed November 9, 1998 and a copy of the Assignment, both documents signed by all of the inventors.

Respectfully submitted,

By: Vijayalakshmi D. Duraiswamy
Vijayalakshmi D. Duraiswamy. Reg.No. 31,505

HUGHES ELECTRONICS CORPORATION
PATENT DOCKET ADMINISTRATION
Bldg. 001, M.S. A109,
P.O.Box 956, El Segundo, CA 90245-0956
PHONE: 310-662-9919

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

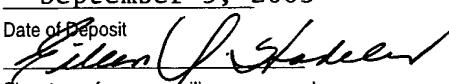
EH 187376753 US

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**COMBINED DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY**

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PD-98004

Original
 Continuation
 Division
 Continuation-in-part
 Supplemental

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **SATELLITE SYSTEM AND METHOD OF DEPLOYING SAME** the specification which

(check one) is attached hereto.
 was filed on _____ as Application Serial No. _____ and [other than supplemental] was amended on or (b) [supplemental] with amendment through _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) or patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Number	Country	Day/Month/Year Filed	Priority Claimed
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Priority Claimed
 Yes No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Application Serial No.	Filing Date	Status (patented, pending, abandoned)
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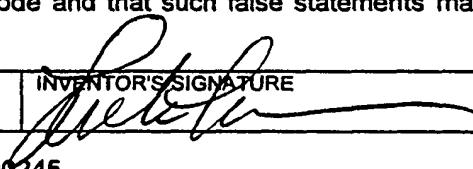
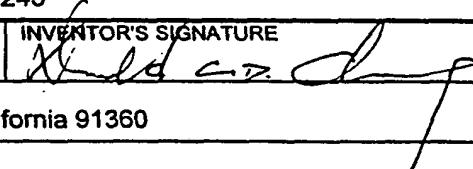
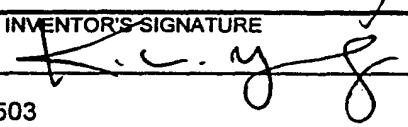
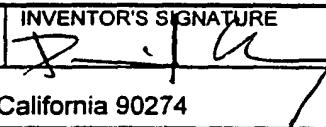
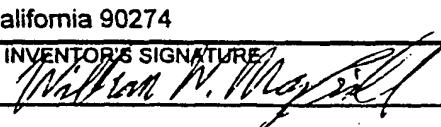
I hereby appoint the following attorneys, or agent and attorneys, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Georgann S. Grunebach, Registration No. 33,179
Terje Gudmestad, Registration No. 32,232
Vijayalakshmi. D. Duraiswamy, Registration No. 31,505
Michael W. Sales, Registration No. 30,213
Wanda K. Denson-Low, Registration No. 32,215

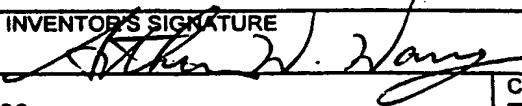
Address all telephone calls to Georgann S. Grunebach, (310) 662-8912

Address all correspondence to Customer Number 020991 (Hughes Electronics Corporation, Patent Docket Administration, Bldg. 001, M/S A109, PO Box 956, El Segundo, California 90245-0956).

I hereby declare that all statement made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR JOINT INVENTOR Frank Taormina	INVENTOR'S SIGNATURE 	DATE 10/29/98
RESIDENCE (CITY AND STATE) 1207 E. Walnut, El Segundo, California 90245		CITIZENSHIP U.S.A.
POST OFFICE ADDRESS 1207 E. Walnut, El Segundo, California 90245		
FULL NAME OF SOLE OR JOINT INVENTOR Donald C.D. Chang	INVENTOR'S SIGNATURE 	DATE 11/14/98
RESIDENCE (CITY AND STATE) 2350 Moberly Court, Thousand Oaks, California 91360		CITIZENSHIP U.S.A.
POST OFFICE ADDRESS 2350 Moberly Court, Thousand Oaks, California 91360		
FULL NAME OF SOLE OR JOINT INVENTOR Kar W. Yung	INVENTOR'S SIGNATURE 	DATE 10/29/98
RESIDENCE (CITY AND STATE) 4738 Narrot Street, Torrance, California 90503		CITIZENSHIP U.S.A.
POST OFFICE ADDRESS 4738 Narrot Street, Torrance, California 90503		
FULL NAME OF SOLE OR JOINT INVENTOR David C. Cheng	INVENTOR'S SIGNATURE 	DATE 10/29/98
RESIDENCE (CITY AND STATE) 1228 Via Zumaya, Palos Verdes Estates, California 90274		CITIZENSHIP U.S.A.
POST OFFICE ADDRESS 1228 Via Zumaya, Palos Verdes Estates, California 90274		
FULL NAME OF SOLE OR JOINT INVENTOR William W. Mayfield	INVENTOR'S SIGNATURE 	DATE 10/27/98
RESIDENCE (CITY AND STATE) 23219 Audrey Avenue, Torrance, California 90505		CITIZENSHIP U.S.A.
POST OFFICE ADDRESS 23219 Audrey Avenue, Torrance, California 90505		
FULL NAME OF SOLE OR JOINT INVENTOR John Novak, III	INVENTOR'S SIGNATURE 	DATE 10/27/98
RESIDENCE (CITY AND STATE) 6736 Randiwood Lane, West Hills, California 91307		CITIZENSHIP U.S.A.
POST OFFICE ADDRESS 6736 Randiwood Lane, West Hills, California 91307		

COPY

FULL NAME OF SOLE OR JOINT INVENTOR Arthur W. Wang	INVENTOR'S SIGNATURE 	DATE 10/29/98
RESIDENCE (CITY AND STATE) 6173 Tonga Circle, Cypress, California 90630		CITIZENSHIP Taiwan
POST OFFICE ADDRESS 6173 Tonga Circle, Cypress, California 90630		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
POST OFFICE ADDRESS		

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ASSIGNMENT

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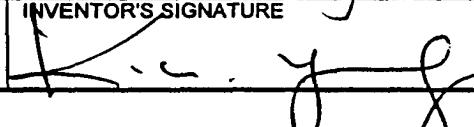
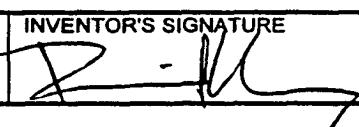
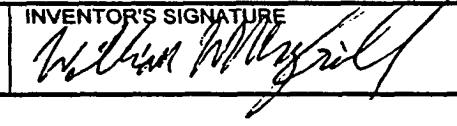
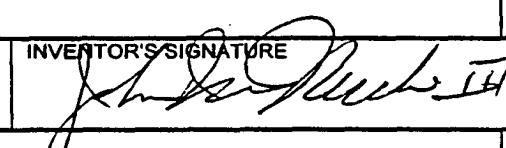
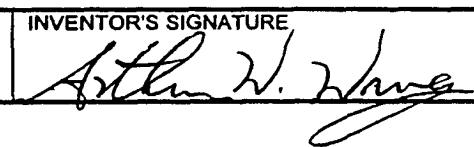
WHEREAS, I, as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my name, have invented a(an) **SATELLITE SYSTEM AND METHOD OF DEPLOYING SAME** for which application for Letters Patent of the United States has been executed by me on this day, or (if the following is completed) filed on _____ as Serial No. _____; and

WHEREAS, **HUGHES ELECTRONICS CORPORATION**, (hereinafter referred to as **HUGHES**), a Delaware Corporation, having its principal place of business in El Segundo, California, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;

NOW, THEREFORE, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer to **HUGHES**, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by me, to said application and any and all applications which are continuations, continuations-in-part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world for the full term or terms for which said Letters patent may be granted in the United States and throughout the world; authorize and request The Commissioner of Patents and Trademarks of the United States and all foreign countries to issue all such Letters Patent to said **HUGHES**, its successors, assigns or other legal representatives; covenant that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this assignment, sale and transfer; and agree to communicate to **HUGHES**, its successors, assigns or other legal representatives, upon request and at no cost or expense to me, any facts known by me respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by **HUGHES**, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said Letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of **HUGHES**, its successors, assigns or other legal representatives, and generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in **HUGHES**, its successors, assigns or other legal representatives.

COPY

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR Frank Taormina	INVENTOR'S SIGNATURE 	DATE 10/29/98
RESIDENCE (CITY AND STATE) El Segundo, California 90245	INVENTION AGREEMENT DATE February 28, 1966	
FULL NAME OF SOLE OR JOINT INVENTOR Donald C.D. Chang	INVENTOR'S SIGNATURE 	DATE 11/14/98
RESIDENCE (CITY AND STATE) Thousand Oaks, California 91360	INVENTION AGREEMENT DATE September 11, 1979	
FULL NAME OF SOLE OR JOINT INVENTOR Kar W. Yung	INVENTOR'S SIGNATURE 	DATE 10/29/98
RESIDENCE (CITY AND STATE) Torrance, California 90503	INVENTION AGREEMENT DATE December 3, 1979	
FULL NAME OF SOLE OR JOINT INVENTOR David C. Cheng	INVENTOR'S SIGNATURE 	DATE 10/29/98
RESIDENCE (CITY AND STATE) Palos Verdes Estates, California 90274	INVENTION AGREEMENT DATE September 9, 1996	
FULL NAME OF SOLE OR JOINT INVENTOR William W. Mayfield	INVENTOR'S SIGNATURE 	DATE 10/27/98
RESIDENCE (CITY AND STATE) Torrance, California 90505	INVENTION AGREEMENT DATE March 8, 1965	
FULL NAME OF SOLE OR JOINT INVENTOR John Novak, III	INVENTOR'S SIGNATURE 	DATE 10/27/98
RESIDENCE (CITY AND STATE) West Hills, California 91307	INVENTION AGREEMENT DATE January 13, 1969	
FULL NAME OF SOLE OR JOINT INVENTOR Arthur W. Wang	INVENTOR'S SIGNATURE 	DATE 10/29/98
RESIDENCE (CITY AND STATE) Cypress, California 90630	INVENTION AGREEMENT DATE September 30, 1996	

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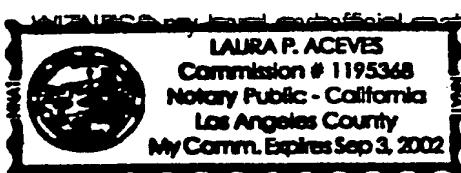
ASSIGNMENT
Page 3 of 4
PD-980042

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES)

On October 27, 1998 before me, Laura P. Aceves

a Notary Public in and for said State, personally appeared
William W. Mayfield and John Novak, III

personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



Notary Public

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES)

On October 29, 1998 before me, Laura P. Aceves

a Notary Public in and for said State, personally appeared
Kar W. Yung and David C. Cheng

personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



Notary Public

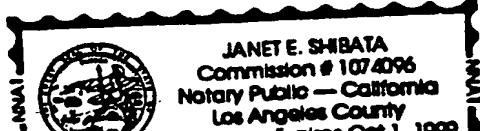
STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES)

On November 4, 1998 before me, JANET E. SHIBATA

a Notary Public in and for said State, personally appeared
DONALD C.D. CHANG

personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand-and official seal.



Notary Public

COPY

On 29 October 1998 before me, Patricia A. Metoyer

a Notary Public in and for said State, personally appeared

ARTHUR W. WANG

personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) ~~is~~ are subscribed to the within instrument and acknowledged to me that ~~he~~ ~~she~~ ~~they~~ executed the same in ~~his~~ ~~her~~ ~~their~~ authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WILLIAM NEARY, Notary Public
COMM. # 1061579
Notary Public - California
LOS ANGELES COUNTY
My Comm. Expires JUN 23, 1999

Notary Public

STATE OF CALIFORNIA)
COUNTY OF Los Angeles)
SS:

On 29 October 1998 before me, Patricia A. Metoyer

a Notary Public in and for said State, personally appeared
Frank A. Tsvormin

personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

1

NNA1

PATRICIA A. METOYER
COMM. # 1061579
Notary Public — California
LOS ANGELES COUNTY
My Comm. Expires JUN 23, 1999



Notary Public

STATE OF _____)
COUNTY OF _____)
)SS.
)

On _____ before me, _____

a Notary Public in and for said State, personally appeared

personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Notary Public